

# Call for Contributions

## Submission:

**1. Inform the Chair:** with the Title of your Contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INNOV+2017+Special>

Please select Track Preference as **5GADVANCES**

Special track

## **5GADVANCES: Recent Advances for 5G Networks**

### **Chair and Coordinator**

Asst. Prof. Alexandros Kaloxylos, University of Peloponnese, Greece

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along with

**INNOV 2017**, The Sixth International Conference on Communications, Computation, Networks and Technologies

October 8 - 12, 2017 - Athens, Greece

<http://www.iaria.org/conferences2017/INNOV17.html>

The era of 5G cellular networks is approaching rapidly. Research activities worldwide are picking up speed to prepare the first commercial releases. The plan of vendors and operators is to achieve the first 5G broad rollouts by 2020. This is why, we are witnessing significant efforts to specify the necessary standards and to develop the needed mechanisms that are to be validated in specialized testbeds. Since its early steps, the vision for 5G networks has been promising to revolutionize not only the telecom sector but also the so called “vertical industries” (e.g., health, transportation, factories, energy). All these sectors have clearly different requirements and needs. The diverse characteristics require different solutions and it is widely accepted that the current architectural model of “one size fits all”, is no longer an option. 5G networks target to introduce the required flexibility for the support of the vertical industries, in the future releases of cellular networks.

This special track aims at collecting high quality papers containing original research results as well as high quality survey articles illustrating the challenges that 5G networks need to overcome to achieve the needed functionality. It also aims at presenting current trends and breakthroughs for topics including, but not limited to, the following:

- Architectural solutions
- Standardization activities
- Resource management
- Connection/session management (e.g., introduction of new signaling states, fast connection management)
- Mobility Management schemes
- Scheduling mechanisms
- Mobile edge computing
- Service prioritization schemes
- Physical layer aspects to support verticals
- Retransmission schemes
- Network management and orchestration

- Context management
- Big data solutions for 5G networks
- Achieved results from real 5G testbeds
- Interworking with non-3GPP access systems
- Security and privacy schemes services over 5G networks

### **Important Datelines**

- Inform the Chair: As soon as you decided to contribute
- Submission: August 31
- Notification: September 7
- Registration: September 14
- Camera ready: September 14

*Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.*

### **Contribution Types**

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Presentations: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Demos: two pages [posted on [www.iaria.org](http://www.iaria.org)]

### **Paper Format**

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

### **Paper Submission**

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### **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

### **Contacts**

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